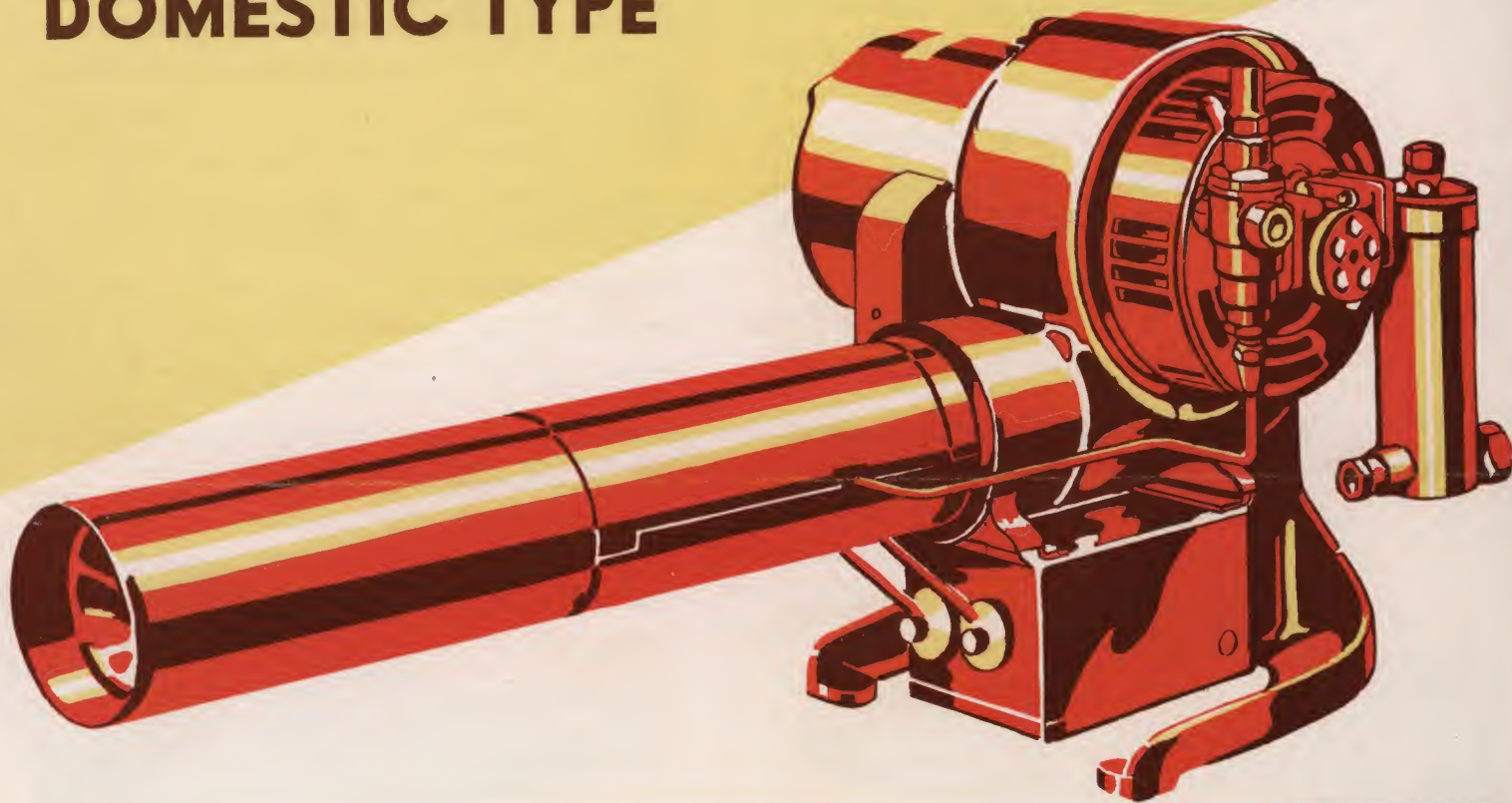


OIL BURNERS

THAT FIT THE BOILER

PETRO-NOKOL
OIL BURNERS

MODEL "P"
DOMESTIC TYPE



PETROLEUM HEAT & POWER COMPANY
Stamford, Conn.

MODEL "P" *the fine pressure burner ever*

Old in Principle — Advanced in Design

Out of the years of conflicting claims of many manufacturers, one type of oil burner emerged, and by its wide adoption by many manufacturers today, it is acknowledged right. It uses—and this is interesting—one of the first methods employed in early attempts to burn oil. It has stood the test of time and has survived for certain automatic heating service and for certain grades of oil.

This type of automatic oil burner is exemplified by the Petro Model "P". In principle, Model "P" is as old as the burning of oil as a fuel—yet in detail of design and manufacturing precision it is as modern as tomorrow—in advance of the industry.

Model "P" is known as the pressure atomization type of oil burner. So far as the principle

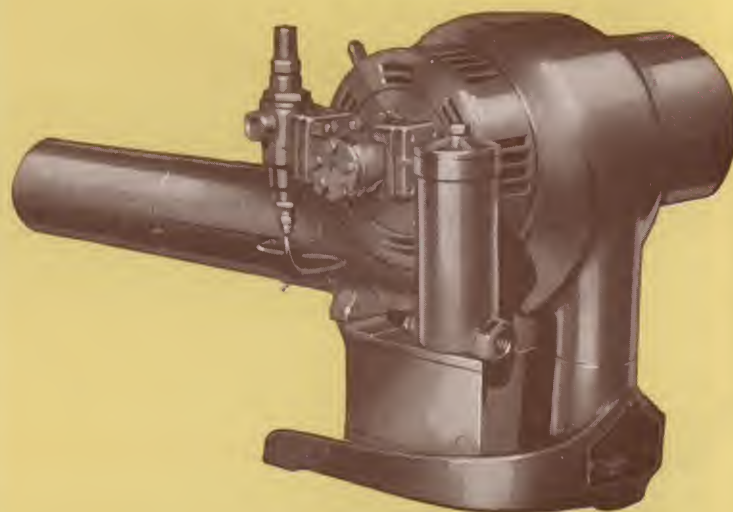
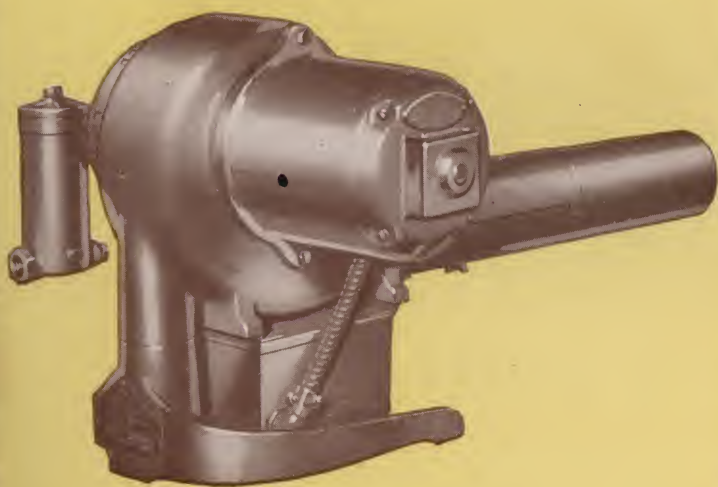
of operation it employs is concerned, there is nothing new or unusual about this type of burner. Many such burners have been in service for years. Many similar burners are manufactured today. Justification for this type of burner is found in its record.

Amazing Low Cost

Now, however, following years of refinement in design, this well-known burner has been made available at a cost no greater than that of burners heretofore regarded as low cost or inexpensive. This is in itself an accomplishment worthy of note.

No oil burner has proved superior for certain service, within the practical range of its operation; particularly where no gas is available and complete electric operation is required. For this burner is primarily an electric ignition burner.

The Clean-cut, Symmetrical Appearance of the Model "P" Evidences Its Skilled Engineering

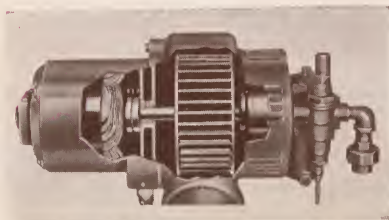


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New Reliability as Well as Economy

But its record is not alone the result of its ability to provide automatic oil heat where this type of oil burner should be installed. It is noted for its reliability—for it is a simple device. Those who know this burner best are its most ardent friends.

Model "P" was built for installation in homes of intermediate size and smaller commercial buildings and in particular, for operation where electric ignition is required or desired. This burner will operate equally well in steam or hot water boilers and in hot air furnaces.



1. DIRECT DRIVE on motor, fan, and pump eliminates entirely the use of gears and belts, thus providing longer life and quiet operation.

Simple — One Moving Part

The Model "P" is a very simple mechanical device. The only moving part in the burner is a small motor, fan and oil pump, which combine as a single rotating unit. It runs on two large over-sized bearings. Both static and dynamic balance of this rotor are easily secured. This insures quiet operation. It also eliminates the usual

gear or belt drive, and thus still further simplifies the burner.

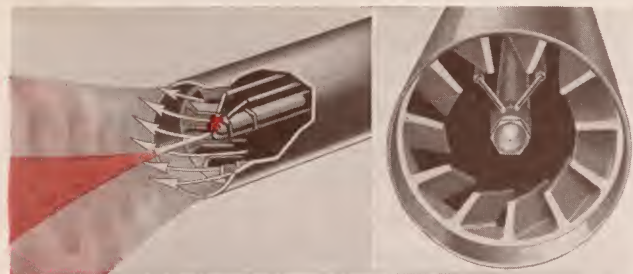


2. PRESSURE REGULATOR. This valve is as automatic as the burner. Unless sufficient pressure for efficient operation is present — no oil is ever passed to the burner nozzle.

Precision Control of Oil Flow

The flow of oil through the burner is controlled by a unique regulator that governs both minimum and maximum pressures. No oil is admitted to the combustion chamber unless there is adequate pressure for proper atomization of the fuel.

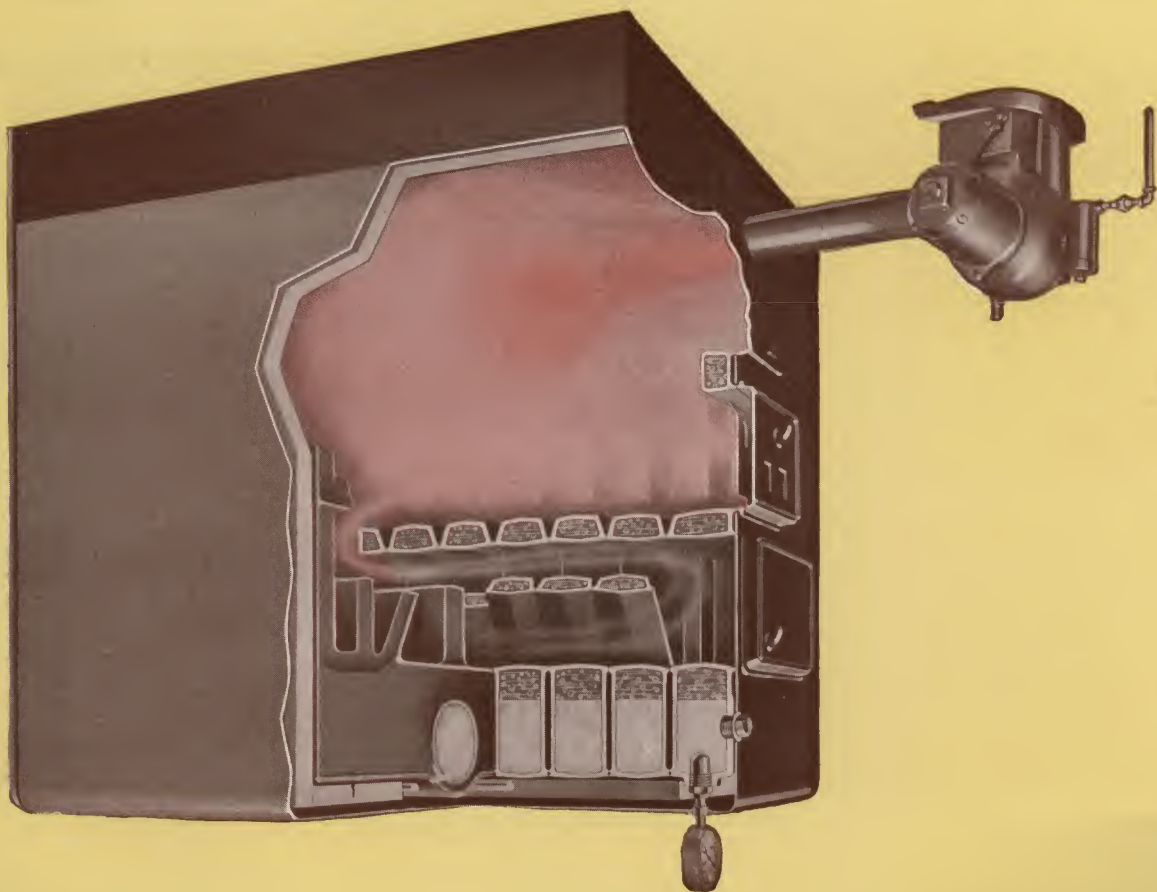
An unusually effective strainer is built into the burner to remove any foreign substances from the oil that could possibly obstruct the flow of oil through the burner.



3. ATOMIZER AND IGNITER. An electric spark between these electrodes arcs out into the cone of atomized oil off the end of this nozzle.

4. WHIRLING SPIRAL AIR CURRENTS produced by these angular vanes insure intimate mixture of air and oil, and results in clean, economical combustion of fuel.



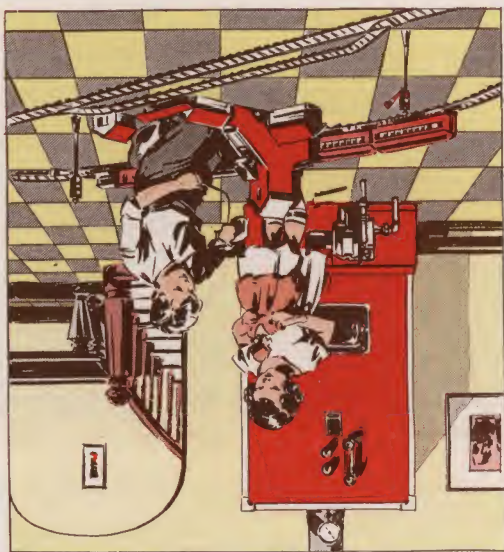


Model "P" Installed in a Typical Rectangular Boiler

Ignition Unfailing, Inexpensive

When the Model "P" starts, a high tension electric spark instantly provides ignition for the atomized fuel. It continues until the burner stops. A momentary stoppage of oil has no

effect because this continuous ignition is unfailing—always there ahead of any oil. The electric circuit employed, combined with very short leads and electrodes, eliminates interference with your radio. These are important features not found in many other burners of this type. It is not only the most dependable but is also inexpensive in operation, for it functions only when the



Model "P" Adds a Floor to Your Home

burner is in operation. It is merely indicative of the care employed in every detail of this burner's design. Carefully streamlined design of the fan housing, and a large, unobstructed draft tube, plus low velocity of the air from the fan, are important factors contributing to quiet operation.

For Any Kind of System

Model "P" operates equally well in any kind of heating system—hot water, steam, vapor or hot air. It conforms to all national, state and local regulations related to the installation and operation of oil burner equipment.

A Representative Group of Buildings Heated with Petroleum Heat & Power Company Equipment



AMERICAN CENTRAL LIFE INS. CO.
Indianapolis, Ind.

RIVERSIDE MEMORIAL CHURCH
New York City

EQUITABLE BLDG.
New York City

MUNICIPAL BLDG.
New York City

MARK HOPKINS HOTEL
San Francisco, Calif.

HOME OF WILBUR F. YOUNG
Springfield, Mass.

RITZ-CARLTON HOTEL
New York City

NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE
New York City

NATIONAL PRIZE-WINNING MODEL HOME
Tarrytown, N. Y.

HOME OF JOHN F. KERN
St. Louis, Mo.

HOME OF WM. MCFADDEN
New Orleans, La.

HOME OF LEON CHEEK
Jacksonville, Fla.

The Doctrine of the Petroleum Heat and Power Company:-

Oil burners that fit your requirements

THE PIONEERS who form the Petroleum Heat and Power Company today, the veteran distributor and dealer organization who represent it throughout the North American continent, recognized long ago that no one type of oil burner meets every oil heating requirement.

Heating engineers, and even mechanically inclined laymen, have for some time recognized that, whereas a certain type of oil burner might function perfectly in one type of heating plant, under certain conditions, results were quite different when this same burner was em-

ployed under other conditions or applied to another type of heating plant. To provide properly for the widely varying conditions encountered in the field, the Petroleum Heat and Power Company manufactures a complete line of oil burner equipment, specifically designed for every oil heating requirement.

The recommendation of a Petroleum Heat and Power Company representative, hence, can be relied upon, for it will be the result of an impartial, unbiased analysis of the specific peculiarities of your heating or power problem.

A PUBLIC SERVICE ENTERPRISE



A REMARKABLE history lies back of the Petroleum Heat and Power Company of today. It goes back 31 years to 1903, to California, where oil was first widely used for fuel. In those days and for many years later, interest was centered in industrial oil heating. Subsequent expansion into the domestic oil heating field was a natural development. Joining forces with the American NoKoi Corporation—the pioneer of automatic domestic oil heating—was still another logical development. For the two organizations complemented one another perfectly.

Today, the Petroleum Heat and Power Company is the world's largest oil heating organization. From coast to coast over 100,000 installations have for many years enjoyed the oil heating service provided by this Company's products. They are found in every type of building, from the 52-story Metropolitan Life Insurance Building, the Ritz-Carlton Hotel in New York and the palatial homes of thousands of prominent people down to the modest residences to be found on every street.

Yet it might be said the manufacture of oil burner

equipment is really a secondary consideration to this Company. Its primary interest is the creation of satisfied users of oil heat. For the Petroleum Heat and Power Company is one of the largest distributors of fuel oil for heating in the United States. In New York City, for instance, it supplies more than half of all the fuel oil used to heat large buildings. This Company's experience in making good oil burners to operate on low priced fuel oil and selling low priced fuel oil to operate in good oil burners has resulted in placing oil heat on a new economic basis.

With millions invested in the future of automatic heat, the Petroleum Heat and Power Company can not afford to subordinate the satisfaction of its customers to any mechanical prejudice or to the exigencies of manufacturing precedent. Hence the undivided responsibility of the Petroleum Heat and Power Company, in that part of the country embraced by this 100% guaranteed oil heating service, is your assurance of satisfaction with this Company's equipment. For in your installation will be the same equipment which is found where the Petroleum Heat and Power Company shoulders entire responsibility for complete oil heating satisfaction.

CARR HEATING & OIL BURNERS, INC.
837 DRYADES ST. - RA. 1224

A PUBLIC SERVICE ENTERPRISE

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